$ 1.50

denver apple pi Seed

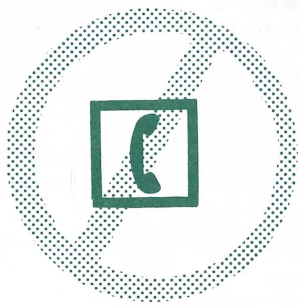
Newsletter for Denver's Apple users

Volume 7 Number 4 April 1985

MA BELL or MODEM MADAM

At this time the the Fifty-fifth General Assembly has a State Senate Bill in commitee that, if passed, would deregulate telecommunications service by this summer. The version of the bill now available is said to have significant changes so at this time we do not know just what the full scope of the bill would be. The talk is that with deregulation the phone company will be able to charge whatever they want if you use a modem and will also be able to refuse you the right to even use a modem, without any PUC intervention.

It was hoped that by this time the real bill would be out of commitee and we would know what we were up against. As it stands now, it would not be wise to go off half cocked. We will keep out ear to the rail and let you know what is going on. If you would like to know more about this bill you can call the information service at the capital at 866-3055. Ask for information on state bill number 171 sopnsored by Senators Strickland, Arnold, Lee, Traylor, Allard. and Beatty.



Appleseeds

"KID'S STUFF"

FREE LOGO MATERIALS
From - "HANDS ON" Technical Education Research Centers
A nonprofit, public service corporation.

"Logo Games and Activities" by Susan Jo Russell and Eileen Kiernan. These activities, written in Terrapin Logo, include Mazes (guide the turtle through the maze), Shooting Star (estimating distance and angle), Find-a-Flower (a number line game), and others. The activities are not designed as a learning sequence, but as adjunct and support for children learning Logo. The Activities are appropriate for 6 - 10 year olds and for children with special cognative or physical needs.

The materials are available without charge from the Cotting School for Handicapped children, 241 St. Botolph Street, Boston, Ma. 02115, attention; Development Office.

Have questions about computing for young children? Call Liane Nusse, 279-5763 - Like to help with "Appleseeds?" call the same!

CORE MEET SOFTWARE DEMONSTRATIONS --

Apple Pi will present various software demonstrations from 10a.m. to 12, at every Core Meet.

Since "many hands make light work" some of you could help by - offering to demonstrate your favorite for approximately one hour at Core Meets.

GOTO 3

+:+

Apple Pi HOT LINE 426-3482 Apple Pi BBS 469-7541

+:+

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MEMBERSHIP INFORMATION
$10 APPLICATION FEE AND $18 PER YEAR DUES

APPLE PI is an Apple Computer Users Group - not affiliated with Apple Computer, Inc. - that provides many member benefits, some of which are:

MONTHLY MEETINGS-

On the first Thursday of each month at 7:00 p.m. APPLE PI holds its general meeting at the Greene Center, Colorado School of Mines Campus, Golden, Colorado. This meeting is a combination of an informational meeting, new product announcements, and a short business meeting. The members are given an opportunity to buy computer supplies a little above cost. Software products are given away as door prizes.

On the Sunday following the general meeting there is an informal meet which is usually held at the home of a member, the location of which is announced in the newsletter and at the general meeting. This meeting is from 10:00 a.m. until 3:00 p.m. and provides a more informal environment to seek or give advice to fellow members and get copies of programs from the APPLE PI Library. Both of these meetings are open to the general public but only members have access to products that are sold.

PROGRAM LIBRARY-

APPLE PI currently has a library of 8,000 programs. All current disks are in 16 sector (3.3, Pascal, CP/M) format and are available to any member. APPLE PI Members can obtain copies from the library:

1) By coming to the monthly informal meeting (swap meet);
2) By written request to the club librarian at any meeting or by mail);
3) By electronic mail on APPLE PI's bulletin board system:

When requesting copies, please include the following information:

a) Your Name, Address, and Phone number;
b) Disk Category and Volume Number;
c) Blank Diskette(s) or request to utilize a new disk (member will be charged $2.50 for the new disk);
d) Copy fee ($1.00 per diskette side unless you donate a program you have written at the same time and fill out a Progam Submission Form). Only complete sides of disks will be copied.
e) Instructions on how the disks are to be returned, i.e., at the next meeting, by mail, etc. (IF RETURN IS TO BE BY MAIL PLEASE BE SURE TO INCLUDE A STAMPED, SELF-ADDRESSED FLOPPY DISK MAILER, AND $2.50 TO COVER SHIPPING COSTS).

DISK OF THE MONTH-

Each month a collection of some of the best programs donated to APPLE PI during the preceding month are made available. The DOM can be purchased at any group meeting or by mail.

DUES-

Current membership dues are $18.00 per year, with a one-time application fee of $10.00. Checks should be made payable to APPLE PI.

PIRACY

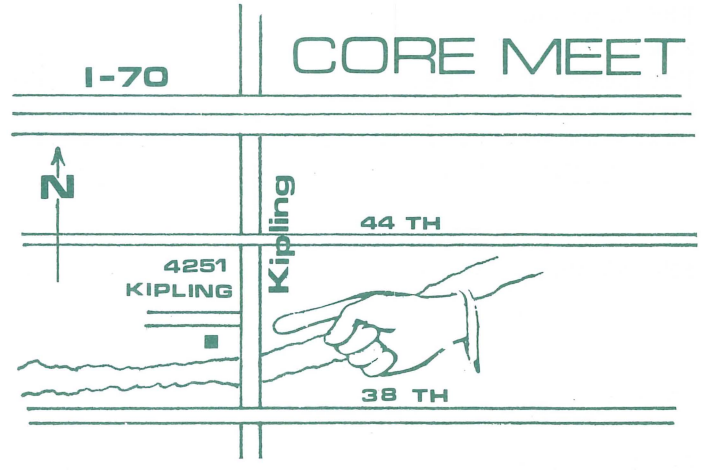
by JEFF BEEHLER

As an officer of Denver Apple Pi, I have many times overheard the statement "This software is too expensive, I think I will just copy it." To many of us, this statement is appalling, but we all have considered taking this action because it is easy and cheap. Consider for a moment the cost of adisk. You can buy one for $1 at a general meeting. Copy programs are easy to come by, you can even get public domain ones. It takes anywhere from 15 to 60 seconds to copy a disk. To many people this alternative to buying a piece of software is tempting. There are even computer clubs that support this type of criminal offence. Unfortunately it's against the law. But more than that, we must consider many of our ethical values when we ink bout software piracy.

Why is computer software so expensive? Time. The time and expertise that is involved in developing a set of computer programs is incredible. Maybe the actual time involved in writing the software isn't enough to pay for but the time involved in learning to program, the computer time and the money spent of development is extensive. It takes anywhere from a couple months to years to learn how to program efficiently and it may involve years at college or at a technical school just learning how. Somebody has got to pay for this expertise. I do agree that much of the computer software out today is grossly overpriced.

Software, like a book, needs someone to publish it. Companies such as Sensible Software and Software Publishing Corp. publish software developed by different programmers. They publish programs such as Sensible Speller and PS written by various programmers. Yet there software is on the market that competes with these programs at just a fraction of their costs. But these expensive programs still sell and sell very well. Why? Mainly because of the publisher. If you are willing to take the risks of publishing your own software, you can pocket all of the net profits. Yet. if you sell it to a publishing company, the prices skyrocket yet the programmer sees the same amount of profit per item.

Why? Depending on who you ask, you will get a different answer. One, the company is probably national, therefore have to support more people, but they get your package out to more stores for you. So why don't individual pogrammers publish their own software at a resonable price? Because of the simple reason of efficiency and time. Considering that it is difficult to get a store to carry your software, then you must supply the disks and the documentation and the packaging, etc.. It is a whole lot easier to send it all off to a large company and let them do it all for you.



Appleseeds

We are also in need of a list of software, members would like to see a demo of

If you would like to help by demonstrating, or would like to let us know what you would like to see - please call Liane Nusse 279-5763.

At the April Core Meet, from Computer Software Connection, a terrific new program with wonderful graphics to choose from, will put together a newsletter for you! - Also the Muppet Keyboard with Discovery software. Hope to see you there from 10a to noon.

Tres. $

ENDING CASH BALANCE	1-31-85	4825.05
INCOME		
New Members		672.00
Renewal Members		216.00
DOM Sales		315.00
Library Copies		240.00
Sales of Supplies		2327.50
Store Memberships		91.67
Interest Earned		29.01
TOTAL INCOME		3891.18
EXPENSE		
Supplies for Resale		1634.14
Hot Line		83.60
CSM Room Rent		0.00
Printing Costs		77.22
Postage		0.00
Supplies & Copies		12.73
BBS Expense		0.00
State Sales Tax		0.00
Equipment Purchase		1375.00
Equipment Rental		0.00
TOTAL EXPENSE		3182.69
ENDING CASH BALANCE	2-28-85	5533.54

ASSETS	2-28-85	
Cash on Hand		25.00
Cash in Bank		5533.54
Inventory for Resale		4984.07
Prepaid Expense		381.03
Accounts Receivable		0.00
Equipment		0.00
Total Assets		10923.64
LIABILITIES		
Sales Tax Accrued		241.86
Accounts Payable		0.00
Unposted Income		0.00
Total Liabilities		139.80
NET WORTH		10783.84

THE STORE MEMBERS

COLORADO SOFTWARE CONNECTION
P.O. BOX 29869 DENVER, CO 80229-0869 (303) 758-8819

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3355 So. Wadsworth Blvd.
Lakewood, CO 80227 (303) 986-9655

colorado Computer Systems, Inc.
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Westminster, CO 80030 (303) 426-5880

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Arvada, CO 80003 (303) 420-1877

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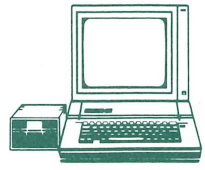


Dear John,

I heard that Apple computer was going out of business. I also heard that the "WOS" said that people will stop buying computers. Is this all true? Who will support the people that already have Apples if the company goes the way of Osborn and others?

SHOULDISELL

Dear SHOULDISELL,

Not to worry, Apple Computer Ink. is alive and well. Yes the stock has dropped some and yes the decided to shut down the plants for a week to help cut back inventories but they are still a strong healthy company. The last time I looked Apple had $125,000,000.00 credit line unused! As for the "WOS" he has left Apple for other chalanges and has predicted that people will stop buying computers just to buy one. He has said that "you don't need a computer to balance you checkbook". That is true but the many things that computers do and will do in the years to come will make computers like Apple part of owr lives for long, long time.

John

Dear John,

A few months ago I got my first Apple, a Apple //c. I want to convert DOS 3.3 files over to ProDOS but I cannot seem to tell the CONVERT program that I only have one disk drive. Do I use the FILER? HELP!!!

CONVERTLESS

Dear CONVERTLESS,

Unlike the ProDOS FILER that lets you specify what disk or volume you want, the CONVETRT program will not. You need to be able to read between DOS 3.3 and ProDOS. Until now you needed two disk drives to do this. Relax help is here. A new local software company called Protree has a program called "Utility Disk #2" that will let you put both DOS 3.3 (or custom DOSs) and ProDOS on the same disk. This will save on disk swaping and will let you do one disk drive converts.

John

Dear John,

I want to keep people from RESETing out of my basic program. I have seen some commercial programs do this. Can you tell me how?

RESET

Dear RESET,

A quick way to keep people out of your code is to change the zero page location $D6. You can do this from BASIC with a POKE. POKE 214,128 This will turn your program into a run only, so any command you try to enter will turn into RUN!

John

Send questions for Johnny Appleseed to:

Johnny Appleseed
c/o Denver Apple Pi
P.O.Box 17467
Denver, CO 80217-0467

VP SNEAKS

by ANDRE' VANMEULEBROUCK

First, let me say that I know our group is very newcomer/family oriented.

I chose the exotic language topic for the April meeting. It may be that programmers are a minority at the group.

Please understand that no matter what topic is picked, some part of the group not be addressed. Programmers probably hate data base demos as much as business types probably evince little interest in programming languages.

Nonetheless, I hope no matter what your interests are that you will come and see the language demos, as I think they will be interesting to the entire group...even if all you can say is you saw what LISP looks like!? When you hear about artificial intelligence in TIME magazine, you can say: "oh, I saw what that language looked at Apple Pi!".

There will also be another feature to add variety to the April meeting!

A blind person, who was blind at birth, and who is an Apple fanatic, is going to demo his special equipment.

This fascinated me when I talked to him. He called the Apple Pi hotline, and wanted information about our club, and after talking with him, I was curious to hear his voice synthesizer, so he held the phone close. It's just amazing. His computer will voice the name of the letter he types, and in his word processor, it will read back what he has typed! This equipment is similar to smooth talker on the Mac. This demo will be before the break. The languages will come after the break.

This person is very interested in meeting people, and requested that I pass on his telephone number and name.

Sorry folks, I can't in good conscience do that. If you know me, and I know you, and you want to help this person (which should be a lot of fun), leave e-mail. I don't want to be responsible for advertising a vulnerable person who could have his very unusual and expensive equipment ripped off or mangled (and even well meaning people could mangle such equipment). If I know you personally, I will give out the name and phone number, otherwise, you'll have to come to the meeting to meet this person.

Please don't send nasty e-mail if you don't agree with my position on this.

Dr. Alan Kay, one of the masterminds behind Lisa, and Macintosh, and inventor of the object oriented language "Smalltalk" wrote again to me.

I invited him to come to speak to our group.

My thanks to the club member through whom I made contact with Dr. Alan Kay originally.

I sent him one of our publications for him to see what our group is like. He is still very interested in coming, and wishes to maintain contact to work out the details of a time that would be good for both him and our group to come.

He tried to call and failed because the number was changed. Oops. The number was changed due to weird phone calls I was getting.

The best time is the summer for him, but he'll wait until the Fall or whenever to come. The Fall would allow us the largest crowd for renting Bunker auditorium, and from what I am told, a lot of the Apple Pi members are on vacation during the summer and would thereby miss a June or summer scheduling.

GREEN APPLES

by Randall Ansley

How many TABs do you need (or is the one on a beer can enough)? Have you ever looked at all the ways you can TAB on your Apple. On the Apple //e and //c you have a TAB key that is used by some programs to indent or do other functions. The tab key is really a control-I, so by pressing CONTROL and I at the same time you have a TAB key. If you want to get this same keystroke in your BASIC program you could use CHR$(9). So there you have 3 ways to tab, and we are just getting started.

In APPLESOFT BASIC the most common tab commands are VTAB abd HTAB. VTAB stands for vertical tab and has a range of 0-23. This command will let you place the cursor on what ever line of the screen you wish. The HTAB is your horizontal tab with a range of 0-39 (remember that computers start counting at "0" not "1"). The HTAB command lets you place the cursor at any column on the screen. You can use a POKE command to do VTABs and HTABs. On a normal 40 column screen the VTAB and HTAB values are found at locations 36 and 37. POKE 36,x will give you a HTAB. POKE 37,x is your VTAB. If you are using the 80 column card you need to use two differant POKEs. POKE 1403,x is your 80 Column HTAB and POKE 1531,x is the VTAB. If you have the 80 column card turned on and you want to tab past column 39 then you must use POKE 1403,x as HTAB will only go as far as column 39.

We are up to 9 ways to tab and we have not used to TAB command yet. The TAB command is used as part of a PRINT statement in BASIC. It will let you pick the column you want a string to start printing on. Here is an example:

```
100  PRINT TAB(20) "THE QUICK BROWN FOX"
```

The words "THE QUICK BROWN FOX" will start at column 20. Unlike the POKE 36,x, the TAB functions range is 1-40.

Still another way to tab is the use of the SPC function. SPC(x) will print x number of blanks so if you use a line like this:

```
100  PRINT TAB(10) "TOTAL"; SPC(5);N
```

you will tab over 5 spaces after the word "TOTAL" before printing the value of N.

OK there you have it 11 ways to tab. What's that! You say you want more! well OK just this once. The Apple has three tab fields that you can use for reports and the like. The fields are at columns 1, 16, and 33. In Integer BASIC you have five tab fields at 1, 9, 17, 25, and 33. The way to use the comma tab fields is as shown:

```
100   PRINT "TYPE OF DATA"; TAB(16) "DAYS";
TAB(33) "NIGHTS"
110  FOR I = 1 TO 20
120  PRINT T, D, N
130  NEXT I
```

Line 100 prints the column header and line 120 will print the information in the proper columns.

So there you have it a dozen ways to tab (13 if you count the Beer can!).

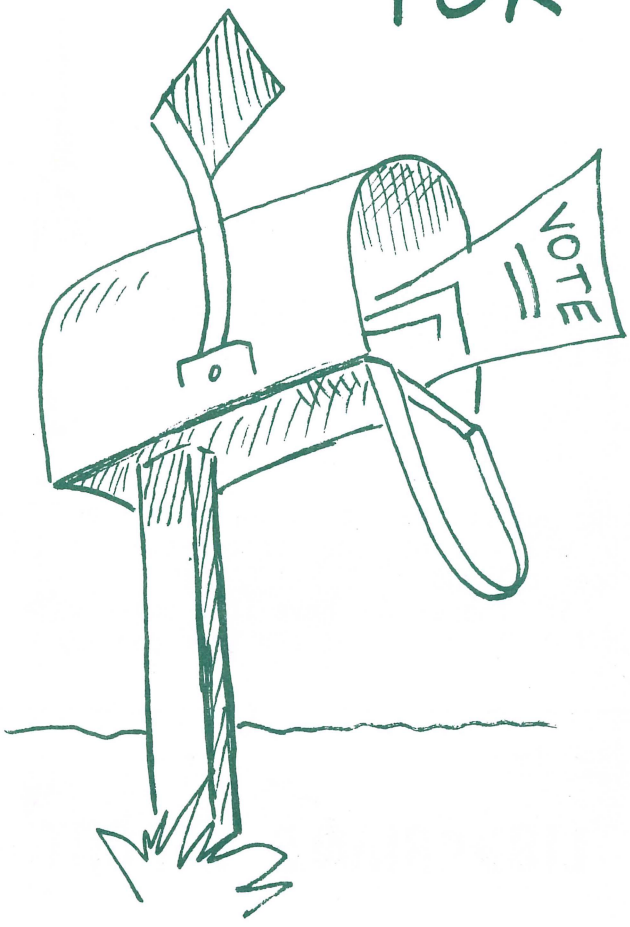
LIBRARIAN'S REPORT

As true in the past, March was not one of our busiest months for any part of the library. One important item that I'm sure you'll be glad to hear is that Apple Pi has purchased another computer for use at Core meets. During the mornings, it will be used for software demonstrations, but in the afternoons the computer will be used to help handle the afternoon disk copy rush.

Remember: we are always looking for software contributions. Our library is made up of public domain software, so we must have public domain software to expand it with. If you have a program you would like to contribute, just bring it to any general meeting or Core meet.

-- Trent Hein, Librarian

CHECK YOUR MAIL FOR YOUR OFFICIAL APPLE PI BALLOT



REMEMBER TO VOTE!

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